

Claims

I claim:

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A1  
5 1. A method for customizing a structured document for delivery to an internet appliance, comprising:

identifying information units in said structured document;

selecting one or more of said information units for delivery;

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10 creating in a database a second structured document including said one or more of said information units; and

delivering said second structured document to said internet appliance.

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2. A method as in Claim 1, wherein said second structured document comprises an XML document.

20 3. A method as in Claim 1, further comprising creating a menu including said information units, said menu being adapted for selection by a user and being presented to said user on a graphical display.

4. A method as in Claim 1, wherein said internet appliance comprises a mobile telephone.

25 5. A method as in Claim 1, wherein said internet appliance comprises a personal digital assistant.

6. A method as in Claim 1, wherein said internet appliance comprises a hand-held computer.



16. A method as in Claim 1, wherein said second structured document is associated in said database with a specified user.

17. A database comprising:

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5      a user record/identifying a user;
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a device record identifying an internet appliance;

a client record identifying a browser running on said internet appliance;

10           a user\_client record associating said user  
record with said client record; and

a device/profile record associating said user client record with said device record.

18. A database as in Claim 17, further comprising  
15 a channel record associated with said user\_client  
record, said channel representing a pre-configured  
resource.

19. A database as in Claim 17, further comprising  
a site record associated with said user\_client record,  
20 said site record representing a specified resource.

20. A database as in Claim 19, further comprises a customization record associated with said site record, said customization record representing modification of said resource in accordance with said device profile record.

21. A document customization system, comprising:

a management server offering a document customization service to a user;

a document manager associated with said management server for performing said document customization service to structured documents identified by said user;

5           a database accessible by said document manager,  
said database storing customized structured documents  
resulting from said document manager performing said  
document customization service; and

a portal for accessing said customized structured  
10 documents in said database.

22. A document customization system as in Claim 21, wherein said portal is customized for access by an internet appliance.

23. A document customization system as in Claim  
15 22, wherein said internet appliance comprises a  
personal digital assistant.

24. A document customization system as in Claim 22, wherein said internet appliance comprises a mobile telephone.

20           25. A document customization system as in Claim  
22, wherein said internet appliance comprises a hand-  
held computer.

26. A document customization system as in Claim  
21, wherein said management server provides a web page-  
25 based interface to said document manager.

27. A document customization system as in Claim 21, wherein said document manager parses said structured documents to identify information units in said structured documents.

28. A document customization system as in Claim 21, wherein said customized structured documents are stored in a hypertext format.

29. A document customization system as in Claim 21, wherein said database comprises:

a user record identifying a user;

a device record identifying an internet appliance;

a client record identifying a browser running on said internet appliance;

a user\_client record associating said user record with said client record; and

a device profile record associating said user\_client record with said device record.

30. A document customization system as in Claim 29, wherein said database further comprises a channel record associated with said user\_client record, said channel representing a pre-configured resource.

31. A document customization system as in Claim 29, wherein said database further comprising a site record associated with said user\_client record, said site record representing a specified resource.

32. A document customization system as in Claim 31, said database further comprises a customization record associated with said site record, said customization record representing modification of said resource in accordance with said device\_profile record.